

# **(GB) Operating instructions**

## **Night vision device with laser distance measurement. Item No. 31540**



### **Specifications::**

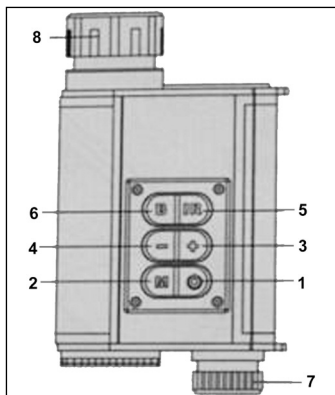
#### **Warning!**

lease read these instructions completely before using the optical instrument!

#### **Warning**

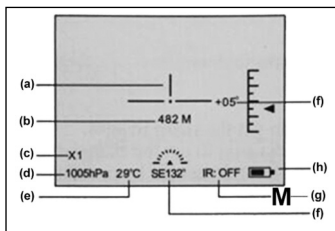
This instrument can be damaged if exposed, used, kept in strong light!

Laser ranging distance: .....500 (max.)  
Night vision: .....200 m  
Pressure measure: .....300-1100 hPa  
Objective lens Ø: .....32 mm  
Optical magnification: .....6x  
Digital magnification: .....4x  
View angle: .....+/-20°  
Digital Compass resolution: .....1°  
Battery: .....AA x 4  
Battery life: .....2 hs  
Size: .....175(L) x 100(B) x 51(H) mm  
Weight: .....398 g



### Components instruction

1. **Power key**  
ON/OFF or ranging
2. **Mode key**  
Function switch or parameter settings
3. **Key**  
Increase of digital magnification or brightness
4. **Key**  
Reduce of digital magnification or brightness
5. **IR Key**  
ON/OFF of infrared light
6. **Key**  
ON/OFF of the brightness adjustment
7. **Eyepiece**
8. **Objective**



### Screen Display

- |                  |                 |
|------------------|-----------------|
| a) Aiming point  | b) Data display |
| c) Magnification | d) Pressure     |
| e) Temperature   | f) Compass      |
| g) IR-LED-mode   | h) Battery      |
| i) Pitch angle   |                 |

### Operation instructions

#### 1. Boot

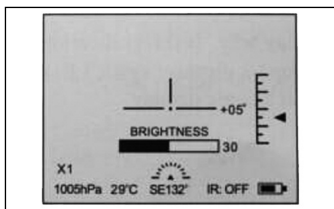
- Long press to boot.

#### 2. Shutdown

- Long press for 3 seconds.

#### 3. Observation

- a. Boot
- b. Adjust the eyepiece 1 - (7) to get a clear screen display.
- c. Adjust the objective 1 - (8) to focus to get sharp images.
- d. Digital magnification will be implemented by pressing or , ranged from x1, x2, x3 x4.

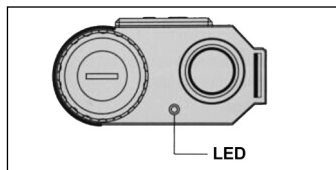


#### 4. Brightness adjustment

Press **B**, to open the brightness adjustment.

Press **+**, to increase the brightness.

Press **-**, to reduce the brightness.



#### 5. Infrared illumination adjustment

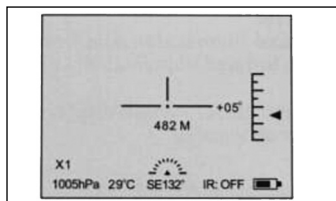
Press **IR**, to open the infrared illumination adjustment.

Continuous press **IR** will cycle from ON-IR-IR2-IR3-OFF.


When infrared light is open, the screen display will show 2 - (g), and led light will correspondingly turn on at the rear of fuselage.


#### 6. Ranging mode

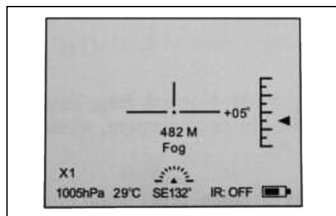
Press **M**, to select the ranging mode: normal, fog, targeting, small, horizontal distance measurement, vertical height measurement, speed measurement.




#### Normal ranging mode:

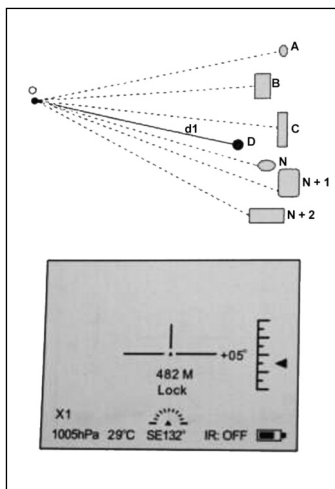
 press to start continuous ranging,

 press to stop.




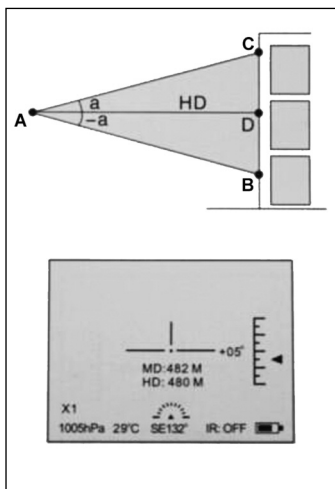
#### Fog mode

Press , to start measuring; target distance should be >25 m.




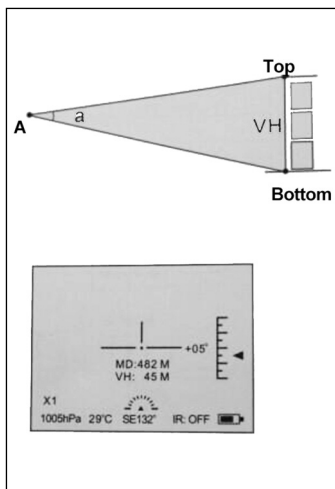
### Targeting small mode:

Press to start , point D should be isolated from other in background, and only show the distance of D1.




### Horizontal distance measurement mode:

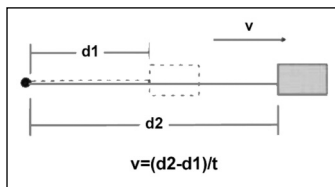
Press to start , data of MD and HD will be continuously shown.  
MD: AB or AC.  
HD: AD



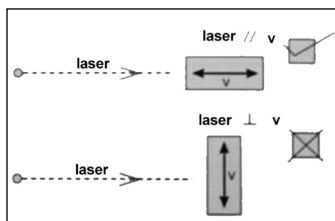
## Vertical height measurement mode

Press to start , MD and VH will be continuously shown.


## Speed measurement mode

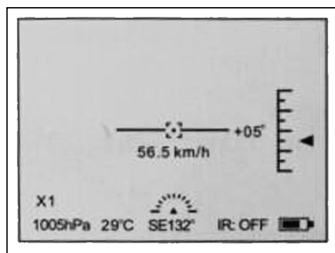


### Principle



### Method


Press , to start measuring.



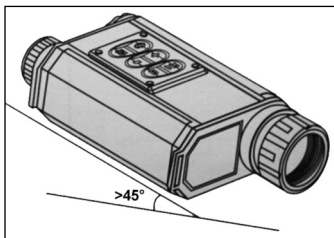
## 7. Settings:

Long press **M** to enter the setting mode.

Short press **M**, to select parameters.

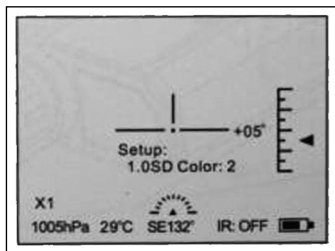
Short press , to change parameters.

Long press **M** to exit the setting mode.

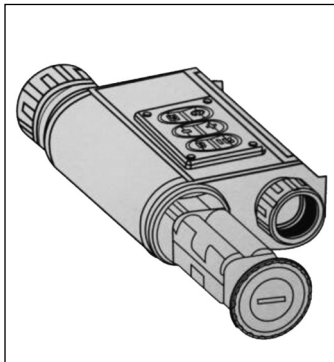


## 8. Button backlight

For easy in dark and not be found. Downward  $>45^\circ$  to open the backlight, and then press any key.



- (OSD) color: 1-yellow  
2-green 3-red 4-blue 5-white  
6-black
- Temperature: °C or °F
- Distance: M or Ft
- Height: M or Ft
- Speed: km/h or Mile/h
- Power off: 5 Min., 10 Min.  
15 Min., 20 Min., 25 Min.,  
30 Min., 35 Min., 40 Min.



## 9. Battery replacement

The flashing of battery icon "2- (h)" remind you to replace battery as below.

**Guarantee:** We grant on this product a guarantee of 24 months, according to the pertinent statutory regulations, from the date of the purchase by the initial user. This guarantee covers all material or production defects; however, it does not cover the following: Faults and defects resulting from normal wear, including wearing parts, seals etc.; damages or defects arising or as a result of alteration. We reserve the right to reject a guarantee claim if the purchase cannot be proven, or if the product was improperly serviced or was obviously erroneously maintained (not or insufficiently maintained; cleaning and servicing). Please retain the proof of purchase documentation because this is valid as proof of date of purchase. In case of a guarantee claim, the machine must be returned to the dealer in a clean state, and in its original packaging if possible, and not disassembled in any way. Proof of purchase must also be included.

## **EU Conformity Declaration**

We hereby declare that the appliance described below as:

**Night vision device with laser distance measurement, art.-no. 31540** is in compliance with the government EC-regulations and the mass production will be effected accordingly:

- **EN 61000-6-3:2007+A1:2011+AC:2012**
- **EN 61000-6-1:2007**
- **EN 61000-3-2:2006+A1:2009+A2:2009**
- **EN 61000-3-3:2013**

The article is in compliance with the standards mentioned below which are basic conditions to obtain the CE-mark:

- **EN 60825-1:2007**

Any change to the product and non-designated use will render this declaration in valid.

This declaration is made on behalf of the manufacturer/importer:  
Berger & Schröter GmbH, Voerder Str. 7, 58135 Hagen, Germany  
by: Eckhard Schröter, General Manager  
Hagen, March 16. 2015

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